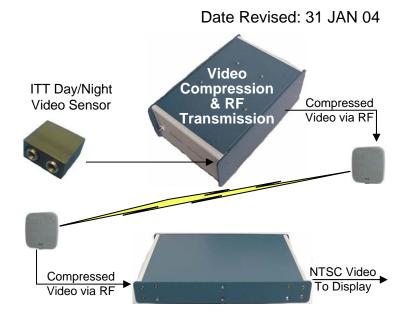
Unattended Video Surveillance System (UVSS)



VENDOR DESCRIPTION

The UVSS is an advanced end-to-end video surveillance system. The sensor includes both color daytime and monochrome image-intensified (night vision) cameras. A sophisticated electronics board, which can be separated from the sensor by a cable up to 10' long, compresses the video and transmits it to the monitor using a spread spectrum transmitter. The monitor receives the signal, decompresses it, and provides video output to a display. Multiplexing of external sensor inputs is supported, enabling deployment of auxiliary sensors to complement the video feed.





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Business Category: Large Business

UGS

System Specifications			Environmental
Feature	Sensor & Associated Electronics	Monitor	Temperature Performance: Standard COTS Temperature Ranges (Further Environmental Testing/Performance is TBD)
Size	240mm x 150 mm x 90 mm (electronics) 150mm x 150mm x 75mm (sensor)	300mm x 200mm x 40mm (not including video display)	
Weight	~1 kg	~1 kg	
Power	15 W (12 VDC input)	10 W (12 VDC Input)	

Sensor	Description	Illuminance	Features
Daytime Video Sensor	High-resolution color CMOS sensor with digital Automatic Gain Control (AGC)	10 ⁻¹ foot-candles to 10 ⁺¹ foot-candles ■ Automatic Day/Night Select ■ Concealable – No I	
Nighttime Video Sensor	lmage Intensifier (I ²) Tube. Normal viewing down to starlight equivalent		Illuminator Req'd ■ 1280 x 1024-pixel Resolution

Function	Description	Features
Video Compression	Employs advanced wavelet video compression to maximize video compression and preserve video quality	■ No Blocking Artifacts■ Adjustable Frame Rate/Video Quality■ Low Latency
Encoding & RF Transmitter	Advanced RF transmitter employs Direct Sequence Spread Spectrum (DSSS) technology to improve resistance to jamming & interference. DSSS spreads transmit power for LPI/LPD operation. Forward Error Correction (FEC) and Encryption available.	■ LPI/LPD Packetized Transmissions ■ ¼-watt Transmitters 1 km Range LOS - Omni Antenna; Longer with High-Gain Directional Antennas or Power Amplifier

ĺ	Device	Description	Specifications	Features
	Monitor	Receives compressed video from sensor transmissions. Decompresses, decodes, and provides NTSC video output to any standard display.	30 frames/sec	■ Low Latency ■ Minimal Compression Artifacting ■ RS-232 Control